

TITLE
PROCESS FOR PRODUCING α -OLEFINS
ABSTRACT OF THE DISCLOSURE

α -Olefins are made in a modified plug flow reactor system by the
5 oligomerization of ethylene using an iron complex of a selected diimine of
a 2,6-pyridinecarboxaldehyde(bisimine) or 2,6-diacylpyridine(bisimine) as
the oligomerization catalyst. The reactor is modified to add the iron
complex at two or more points along the length of the plug flow reactor, the
distance between addition points being dependent on the half-life of the
10 active ethylene oligomerization catalyst.

15

20

25

30

35

/dmm